

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 70 and 71, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<b>Licensee</b>  1. NSF International  2. 789 N. Dixboro Rd. Ann Arbor, MI 48105		In accordance with letter dated October 10, 2019.	4. Expiration Date: November 30, 2020
		3. License number: 21-15209-02 is amended in its entirety to read as follows:	5. Docket No.: 030-38362 Reference No.:
6. Byproduct, source, and/or special nuclear material  A. Strontium-89  B. Strontium-90  C. Radium-226  D. Radium-228	7. Chemical and/or physical form  A. Any  B. Any  C. Any  D. Any	8. Maximum amount that licensee may possess at any one time under this license  A. 10 microcuries total  B. 5 microcuries total  C. 4 microcuries total  D. 5 microcuries total	9. Authorized use  A. For calibration of laboratory radiochemistry instrumentation and preparation of laboratory quality control samples.  B. For calibration of laboratory radiochemistry instrumentation and preparation of laboratory quality control samples.  C. For calibration of laboratory radiochemistry instrumentation and preparation of laboratory quality control samples.  D. For calibration of laboratory radiochemistry instrumentation and preparation of laboratory quality control samples.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

21-15209-02

Docket or Reference Number

030-38362

Amendment No. 4

- |   |                                  |  |   |
|---|----------------------------------|--|---|
| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license | 9. Authorized use   |
| E. Thorium-230  | E. Liquid                        | E. 3 microcuries total   | E. To be used as a reference standard for testing of water samples. |

**CONDITIONS**

10. Licensed material shall be used or stored only at the licensee's facilities located at 789 N. Dixboro Rd., Ann Arbor, Michigan, 48105.

11. Licensed material shall only be used by, or under the supervision of:

Non-Medical Use

Vincent F. Basile  
Michael Mourgas  
Robert J. Richards  
Jeffrey A. Scheel  
Darrell Williams

Material and Use

All  
All  
All  
All  
All

12. The Radiation Safety Officer (RSO) for this license is Andrea Kogelschatz.
13. The licensee shall not use the licensed material in or on humans.
14. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific condition of this license.

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15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated August 20, 2010 (ML102350459)
  - B. Letter dated November 2, 2010 (ML103260059)
  - C. Letter dated November 5, 2010 (ML103260054)
  - D. Letter dated January 25, 2017 (ML17030A265)
  - E. Letter dated February 2, 2017 (ML17039B044)
  - F. Letter dated March 23, 2017 (ML17086A501)
  - G. Letter dated December 13, 2017 (ML18037A498)
  - H. Letter dated October 10, 2019 (ML19288A306)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: January 10, 2020

By: \_\_\_\_\_

Frank P. D. Tran  
Region 3